



HF Happenings 821

Volume 16, Issue 31, the week of 12 November 2018

You can now download your copy of HF Happenings from www.sarl.org.za/hf_happenings.asp

Southern African Fauna and Flora <https://zsfaunaandflora.wordpress.com/>

ZS SOTA <https://zssota.wordpress.com>



3Y0I Bouvet DXpedition News

It was announced that the The 3Y0I team has arrived in South Africa recently. They have been very busy with preparations for their DXpedition over the past couple of weeks. The team was invited by some local ZS DXers to the Royal Cape Yacht Club for a lunch party and some amazing hospitality. Several pictures can be viewed on their Web page at <https://bouvetoya.org/3yoi-team-in-cape-town>. No specific dates were announced yet. Look for more details and updates to be forthcoming.

We suggest watching the following Web pages
<https://bouvetoya.org>, www.rebeldxgroup.com,
www.facebook.com/bouvetoya.org and
<https://twitter.com/Bouvetoyaorg>

Montenegro latest to join 60 m

The latest update to the Montenegro National Frequency Plan (p. 37) from the country's telecoms regulator, EKIP, lists a new band at 5 MHz/60 m, namely the WRC-15 Amateur secondary allocation of 5 351.5 – 5 366.5 kHz with 15 W EIRP, which has been confirmed by national society, the Montenegro Amateur Radio Pool (MARP).

Santa's Radio Club special event

You might wonder what is happening in Arctic Circle this year. Well, Santa's Radio Club will be active between 1 and 8 December from the Arctic Circle as OH9S. Activity will be mainly on 80 to 6 metres using all modes; also including the popular FT8 Digital mode. QSL via ClubLog's OQRS



November

14 - World Diabetes Day
16 to 18 – Cherry Festival, Ficksburg
16 and 17 – Steam Weekend at Sandstone Estate, Ficksburg
17 and 18 – Great Outdoors Expo, Hillcrest; Elgin Railway Market
19 - Closing date for PEARS HF logs and VHF/UHF Analogue logs
21 – the Prophet's Birthday
22 – articles for the December Radio ZS
23 - Cape Town ARC End of Year Function at the club house
24 - SARL Newbie Sprint and the West Rand ARC Flea Market
24 and 25 – the CQ WW DX CW Contest; Origin of Trails MTD, Stellenbosch
28 – Stellenbosch Street Soirees
30 to 2 Dec – Cape Town Festival of Beer, Green point

December

1 – World Aids Day; start of YOTA
December
1 and 2 - Linden Market, Johannesburg
2 to 10 – Hanukkah
3 - International Day for People with Disabilities
7 - International Civil Aviation Day
8 and 9 - ARRL 10 metre contest
10 – Closing date for Newbie logs; International Human Rights Day
11 – International Mountain Day
12 – all schools close
12 to 22 – Ek Lief Krismis Market, George
14 to 16 – Gabrielskloof Favourite Things Market, Overberg
14 to 23 – Parys Christmas Market, Parys
14 to 30 Trail of Lights, Durban
16 – Day of Reconciliation; Groote Post Christmas Market, Darling
17 – Public Holiday

(Preferred) or LoTW. QSOs will automatically be QSLed via the Bureau. For some additional info, see <https://oh9s.fi> and <https://fb.me/oh9santa>

African DX

Contacts with stations on the African continent count towards the SARL's All Africa Award
(www.sarl.org.za/public/awards/awards.asp)

Tanzania, 5H. Maurizio, IK2GZU is operating as 5H3MB until 28 November 28 (mission for work in the Ilembula orphanage and hospital). Operation during his spare time on HF using CW, SSB and RTTY. QSL via bureau, direct or Club Log OQRS.

Malawi, 7Q. Karl, DK2WV, will once again be active from Lilongwe, Malawi as 7Q7W, between 13 and 28 November. Activity will be on 40 to 6 metres using CW, SSB and FT8. QSL via DK2WV.

Senegal, 6V. Jacques, F6BEE and Franck, F8CRH will once again be active as 6W1RW from Senegal. Look for them to be in the CQ WW DX CW Contest (24 and 25 November) as a Multi-2 entry signing 6V7A. QSL via LoTW or via F6BEE. Also look for 6W1RW before the contest, as time permits.

Uganda, 5X. Alan, G3X AQ will be active as 5X1XA from 15 to 27 November. Activity will be on the HF bands. This includes being an entry in the upcoming CQ World Wide DX CW Contest as a Single Band/Unassisted on 20 metres entry. QSL to home call.

Algeria, 7X. Some members from the Algerian Radio Amateur Union are active with special event station 7V1N from Djelfa until 20 November. QSL via operators' instructions.

Niger, 5U. Pierre, HB9AMO, will once again be active as 5U9AMO from Niger between 20 November and 3 December. Activity will be holiday style on 160 to 10 metres CW using a Yaesu FT-991 w/100 W into a Spiderbeam 404-UL multiband antenna (40 – 10 m) and wire antennas for 60, 80 and 160 m. He will also be in the CQ WW DX CW Contest (24 and 25 November) as Single-Op/ All-Band/Low-Power/Unassisted entry. QSL via MOURX or LoTW. Log will be uploaded to LoTW in February 2019. For more details, updates and a log search, visit Pierre's Web page at www.hb9amo.net/5u9amo.php

Chad, TT. Members of the Italian DXpedition Team will be active as TT8RR and TT8XX for FT8 from Chad in March 2019.

Uganda, 5X. Members of the Italian DXpedition Team will be active as 5X0T (on SSB, CW and RTTY) and 5X0X (on FT8 only) from Uganda between 20 September and 6 October 2019. Look for more details to be forthcoming and also watch <http://www.i2ysb.com/idt>



African Islands

IOTA frequencies

CW: 28 040 24 920 21 040 18 098 14 040 10 114 7 030 3 530 kHz

SSB: 28 560 28 460 24 950 21 260 18 128 14 260 7 055 3 760 kHz

Madagascar, 5R. Alex, K2BB and Pavel, UU0JR will be active as 5R8UM from Nosy Be (AF-057), Madagascar between 19 and 29 November, including an entry in the CQ WW DX CW Contest. Plans are to be active on 160-6 metres CW, SSB, FT8 and JT65A. They will also give 6 m EME a try. QSL via Club Log's OQRS and LoTW. See <https://5r8-2018.com/> for updates.

Cape Verde, D4. Jose, CT1BOH, will be active as D41CV from the D4C contest station on Sao Vicente Island (AF-086) during the CQ WW DX CW Contest (24 and 25 November) as a Single-Op/All-Band/High-Power entry. QSL via LoTW, eQSL or IK2NCJ by the Bureau. DIRECT QSL to: Monteverde Contest Club, 6963 Pregassona, Switzerland. For the latest information, check the D4C Web page at www.d4c.cc



Contest Calendar

This week's contests as compiled by Bruce Horn, WA7BNM. The period covered is 12 to 19 November 2018

CQ-WE Contest

19:00 - 23:00 UTC 10 November (CW/Digital) and
01:00 - 05:00 UTC (Phone) and 19:00 - 23:00 UTC 11
November (Phone) and 01:00 - 05:00 UTC 12
November (CW/Digital)
Mode: CW, Phone, Digital
Bands: 160, 80, 40, 20, 15, 10, 6, 2, 432 MHz
Classes: Single Op
Exchange: Name, Location Code (see rules) and
Years of Service (see rules)
Work stations: Once per band per mode
QSO Points: Points equal to years of service
received in exchange for each QSO
Multipliers: Each location code once per mode
Score Calculation: Total score = sum of (total QSO
points x total mults) for each mode
Submit logs by: 1 December 2018
E-mail logs to: (see rules)
Mail logs to: (see rules)
Find rules at: <http://cqwe.cboh.org/rules.html>

AWA Bruce Kelley 1929 QSO Party

23:00 UTC 10 November to 23:00 UTC 11
November and 23:00 UTC 17 November to 23:00
UTC 18 November
Geographic Focus: United States
Participation: Worldwide
Mode: CW
Bands: 160, 80, 40 m
Classes: (none)
Max power: 25 watts input
Exchange: RST, name, QTH, Eqpt Year, Transmitter
Type (see rules for format) and input power (W)
QSO Points: 1 point per QSO
Multipliers: (none)
Score Calculation: Total score = total QSO points
Submit logs by: 1 January 2019
E-mail logs to: dgparker2@wisc.edu
Mail logs to: Dave Parker, PO Box 6, Prairie du Sac,
WI 53578, USA
Find rules at: www.antiquewireless.org/bruce-kelley-memorial-cw-qso-party.html

4 States QRP Group Second Sunday Sprint

01:00 - 03:00 UTC 12 November
Geographic Focus: North America
Participation: Worldwide
Mode: CW, SSB
Bands: 160, 80, 40, 20, 15, 10 m
Classes: Single Op
Exchange: Member: RS(T), state, province or
country and member no; Non-member: RS(T),
state, province or country and power

Work stations: Once per band

QSO Points: 1 point per QSO with non-member; 2
points per QSO with member
Multipliers: (none)
Score Calculation: Total score = total QSO points
Submit logs by: 14 November 2018
E-mail logs to: (none)
Post log summary at: <http://qrptest.com/4sqrp>
Mail logs to: (none)
Find rules at: www.4sqrp.com/SSS/sss_rules.pdf

RSGB 80 m Autumn Series, Data

20:00 - 21:30 UTC 12 November
Geographic Focus: United Kingdom
Participation: Worldwide
Mode: RTTY, PSK
Bands: 80 m Only
Classes: 100 W; 10 W
Exchange: other station's call, your call, serial no
and your name
QSO Points: 1 point per QSO
Multipliers: (none)
Score Calculation: Total score = total QSO points
Submit logs by: 23:59 UTC 15 November 2018
Upload log at: www.rsgbcc.org/cgi-bin/hfenter.pl
Mail logs to: (none)
Find rules at:
www.rsgbcc.org/hf/rules/2018/rautumn.shtml

QRP Fox Hunt

02:00 - 03:30 UTC 14 November
Geographic Focus: United States
Participation: Worldwide
Mode: CW
Bands: 40 m Only
Classes: Single Op - fox or hound
Max power: 5 watts
Exchange: RST, state, province or country, name
and power output
QSO Points: 1 point per QSO
Multipliers: (none)
Score Calculation: Total score = total QSO points
Submit logs by: 03:30 UTC 15 November 2018
E-mail logs to: (see rules)
Mail logs to: (none)
Find rules at:
www.qrpfoxhunt.org/winter_rules.htm

Phone Fray

02:30 - 03:00 UTC 14 November
Geographic Focus: North America
Participation: Worldwide
Mode: SSB

Bands: 160, 80, 40, 20, 15 m
 Classes: Single Op
 Max power: 100 watts
 Exchange: NA: Name and state, province or country; non-NA: Name
 Work stations: Once per band
 QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station
 Multipliers: Each US state (including KH6/KL7) once per band; Each VE province/territory once per band; Each North American country (except W/VE) once per band
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 03:00 UTC 16 November 2018
 E-mail logs to: (none)
 Post log summary at: www.3830scores.com
 Mail logs to: (none)
 Find rules at: [www.perluma.com/Phone Fray Contest Rules.pdf](http://www.perluma.com/Phone_Fray_Contest_Rules.pdf)

CWops Mini-CWT Test
 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 14 November and 03:00 - 04:00 UTC 15 November
 Geographic Focus: Worldwide
 Participation: Worldwide
 Awards: Worldwide
 Mode: CW
 Bands: 160, 80, 40, 20, 15, 10 m
 Classes: Single Op - QRP, low or high
 Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts
 Exchange: Member: Name and member no; non-Member: Name and state, province or country
 Work stations: Once per band
 QSO Points: 1 point per QSO
 Multipliers: Each call once
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 04:00 UTC 17 November 2018
 Post log summary at: www.3830scores.com
 Mail logs to: (none)
 Find rules at: <https://cwops.org/cwops-tests/>

NCCC RTTY Sprint
 01:45 - 02:15 UTC 16 November
 Geographic Focus: North America
 Participation: Worldwide
 Mode: RTTY
 Bands: (see rules)
 Classes: (none)
 Exchange: Serial no, name and QTH
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 18 November 2018
 E-mail logs to: (none)
 Post log summary at: www.3830scores.com/

Mail logs to: (none)
 Find rules at: www.ncccsprint.com/rttyns.html

QRP Fox Hunt
 02:00 - 03:30 UTC 16 November
 Geographic Focus: United States
 Participation: Worldwide
 Mode: CW
 Bands: 80 m Only
 Classes: Single Op - fox or hound
 Max power: 5 watts
 Exchange: RST, state, province or country, name and power output
 QSO Points: 1 point per QSO
 Multipliers: (none)
 Score Calculation: Total score = total QSO points
 Submit logs by: 03:30 UTC 17 November 2018
 E-mail logs to: (see rules)
 Mail logs to: (none)
 Find rules at: www.qrpfoxhunt.org/winter_rules.htm

NCCC Sprint
 02:30 - 03:00 UTC 16 November
 Geographic Focus: North America
 Participation: Worldwide
 Mode: CW
 Bands: (see rules)
 Classes: (none)
 Exchange: Serial no, name and QTH
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 18 November 2018
 E-mail logs to: (none)
 Post log summary at: www.3830scores.com/
 Mail logs to: (none)
 Find rules at: www.ncccsprint.com/rules.html

YO International PSK31 Contest
 16:00 - 22:00 UTC 16 November
 Geographic Focus: Worldwide
 Participation: Worldwide
 Mode: PSK31
 Bands: 80 m Only
 Classes: Single Op
 Max power: 50 watts
 Exchange: YO: RST, serial no and county; non-YO: RST, serial no and country
 QSO Points: 2 points per QSO with YO station; 1 point per QSO with non-YO station
 Multipliers: Each YO county and each country
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 1 December 2018
 E-mail logs to: pskyo@yo5crq.ro
 Mail logs to: (none)
 Find rules at: www.yo5crq.ro/Rules.htm

LZ DX Contest

12:00 UTC 17 November to 12:00 UTC 18 November

Geographic Focus: Worldwide

Participation: Worldwide

Mode: CW, SSB

Bands: 80, 40, 20, 15, 10 m

Classes: Single Op All Band - mixed, CW or SSB - low or high; Single Op All Band Mixed QRP; Single Op Single Band Mixed; Multi-Single Mixed; SWL

Max power: HP: >100 watts; LP: 100 watts; QRP: 10 watts; Non-QRP: >10 watts; QRP: 10 watts

Exchange: LZ: RS(T) and 2-letter district; non-LZ: RS(T) and ITU Zone no

Work stations: Once per band per mode

QSO Points: 10 points per QSO with LZ station; 3 points per QSO with different continent; 1 point per QSO with same continent

Multipliers: LZ: Each ITU zone and each DXCC country once per band; non-LZ: Each ITU zone and each district once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 3 December 2018

E-mail logs to: lzdx@bfra.bg

Upload log at: <http://bfra.bg:8080/WebEditor/>

Mail logs to: BFRA, PO Box 830, 1000 Sofia, Bulgaria

Find rules at: <http://lzdx.bfra.org/rulesen.html>

All Austrian 160-Meter Contest

16:00 - 23:59 UTC 17 November

Geographic Focus: Worldwide

Participation: Worldwide

Mode: CW

Bands: 160 m Only

Classes: Single Op; Multi-Single; SWL

Exchange: OE: RST, serial no and District Code; non-OE: RST and serial no

QSO Points: 1 point per QSO

Multipliers: Each district code and each DXCC/WAE country

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 30 November 2018

E-mail logs to: hf-contest@oevsv.at

Upload log at: <http://aoec-auswertung.oevsv.at/>

Mail logs to: OEVSV-HQ, HF-Contest Manager, Industriezentrum NO-Süd, Strasse 14, Objekt 31 2351 Wr Neudorf, Austria

Find rules at:

www.oevsv.at/export/shared/.content/galleries/Downloads_Referate/HF-Referat-Downloads/Regeln_Aoec_160_m_2018.pdf

REF 160-Meter Contest

17:00 UTC 17 November to 01:00 UTC 18 November

Geographic Focus: France

Participation: Worldwide

Mode: CW

Bands: 160 m Only

Classes: Single Op; Multi-Op; SWL

Exchange: RST, serial no and Department Code

QSO Points: 3 points per QSO

Multipliers: Each department code and each DXCC country

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 2 December 2018

E-mail logs to: (none)

Upload log at: <http://concours.r-e-f.org/contest/logs/upload-form>

Mail logs to: (none)

Find rules at: http://concours.r-e-f.org/reglements/actuels/reg_ref160_fr_201703.pdf

Feld Hell Sprint

19:00 - 20:59 UTC 17 November

Geographic Focus: Worldwide

Participation: Worldwide

Mode: Feld Hell

Bands: 160, 80, 40, 20, 15, 10, 6 m

Classes: (none)

Max power: Standard: 100 watts; QRP: 5 watts

Exchange: (see rules)

Work stations: Once per band

QSO Points: (see rules)

Bonus Points: (see rules)

Multipliers: (see rules)

Score Calculation: (see rules)

Submit logs by: 21 November 2018

Upload log at:

<https://sites.google.com/site/feldhellclub/>

Mail logs to: (none)

Find rules at:

<https://sites.google.com/site/feldhellclub/Home/contests/sprints/turkey-blue-sprint>

RSGB 2nd 1,8 MHz CW Contest

19:00 - 23:00 UTC 17 November

Geographic Focus: Worldwide

Participation: Worldwide

Mode: CW

Bands: 160 m Only

Classes: Single Op – UK or overseas - assisted or unassisted

Max power: 400 watts

Exchange: UK: RST, serial no and District Code; non-UK: RST and serial no

QSO Points: 2 points per QSO; 5 additional points for first QSO with each UK district; 5 additional points for first QSO with each country outside of UK
Multipliers: (none)
Score Calculation: Total score = total QSO points
Submit logs by: 23:59 UTC 18 November 2018
Upload log at: www.rsgbcc.org/cgi-bin/hfenter.pl
Mail logs to: (none)
Find rules at: www.rsgbcc.org/hf/rules/2018/r160m.shtml

ARRL Sweepstakes SSB Contest
21:00 UTC 17 November to 03:00 UTC 19 November
Geographic Focus: United States/Canada
Participation: United States/Canada
Mode: SSB
Bands: 160, 80, 40, 20, 15, 10 m
Classes: Single Op - QRP, low or high; Single Op Unlimited - low or high; Multi-Single - low or high; School Club – college, technical or secondary
Max operating hours: 24 with at least 30 minutes off times
Max power: HP: >150 watts; LP: 150 watts; QRP: 5 watts
Exchange: Serial no, precedence (Q, A, B, U, M, S), your call sign, Check and ARRL/RAC Section
Work stations: Once only
QSO Points: 2 points per QSO
Multipliers: Each ARRL/RAC section and VE NT once
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 03:00 UTC 26 November 2018
E-mail logs to: (none)
Upload log at: <http://contest-log-submission.arrl.org>
Mail logs to: November SS Phone, ARRL, 225 Main St., Newington, CT 06111, USA
Find rules at: www.arrl.org/sweepstakes

Homebrew and Old-time Equipment Party
13:00 - 15:00 UTC (40 m) and 15:00 - 17:00 UTC 18 November (80 m)
Geographic Focus: Worldwide

Participation: Worldwide
Mode: CW
Bands: 80, 40 m
Classes: A. Single Op LP, TX and RX: Homebrew or >30 years; B. Single Op LP, TX or RX: Homebrew or >30 years; C. Single Op QRP, Eqpt: Homebrew or >30 years; D. Single Op: Valved Eqpt Marketed before 1965 or Homebrew
Max power: LP: 100 W; QRP: 5 W
Exchange: RST, serial no, "/" and class
QSO Points: (see rules)
Multipliers: (none)
Score Calculation: Total score = total QSO points
Submit logs by: 21 December 2018
E-mail logs to: hot@qrpsc.de
Mail logs to: Lutz Gutheil, DL1RNN, Bergstr. 17, D-38446 Wolfsburg, Germany
Find rules at: <http://www.qrpsc.de/contestrules/hotr.html>

Run for the Bacon QRP Contest
02:00 - 04:00 UTC 19 November
Geographic Focus: Worldwide
Participation: Worldwide
Mode: CW
Bands: 160, 80, 40, 20, 15, 10 m
Classes: Single Band; All Band
Max power: 5 watts
Exchange: RST, state, province or country and member no or power
Work stations: Once per band
QSO Points: 1 point per QSO with non-member; 3 points per QSO with member on same continent; 5 points per QSO with member on different continent
Multipliers: Each state, province, or country once; Multiply mults by 2 if >50 members worked
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 25 November 2018
E-mail logs to: (none)
Upload log at: <http://qrptest.com/pigrun/autolog.php>
Mail logs to: (none)
Find rules at: <http://qrptest.com/pigrun/>

New wireless technology brought news of Armistice

BBC News reports how the new technology of wireless communications was used to bring the news of the Armistice to one of the most isolated parts of the British mainland.

A cutting from the local newspaper, the Campbeltown Courier, describes how the historic news was first delivered in a morse code message to shipping, with the crew of one vessel taking the message to the pierhead in Campbeltown Loch.

The news, the paper said, arrived at about eleven o'clock - but it does not say whether this was before or after the official cessation of hostilities at precisely 11 am on 11 November 1918.

The report in that week's paper read: "A wireless message was the first medium through which the great news came; it was at once made known ashore, a copy of the telegram being sent to Mr Ross Wallace at the Steamboat Office.

Read the BBC story at www.bbc.co.uk/news/uk-scotland-glasgow-west-46153688

Next Week's Contests

Phone Fray, 02:30 - 03:00 UTC 21 November
CWops Mini-CWT Test, 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 21 November and 03:00 - 04:00 UTC 22 November
RSGB 80 m Autumn Series, SSB, 20:00 - 21:30 UTC 21 November
NAQCC CW Sprint, 01:30 - 03:30 UTC 22 November
NCCC RTTY Sprint, 01:45 - 02:15 UTC 23 November
NCCC Sprint, 02:30 - 03:00 UTC 23 November
ARRL EME Contest, 00:00 UTC 24 November to 23:59 UTC 25 November
CQ Worldwide DX CW Contest, 00:00 UTC 24 November to 24:00 UTC 25 November

Green Keys Night

Jeff, WK6I, announces the following: The Greenkeys online group is happy to announce the first-ever 'Green Keys Night' (GKN), to be held concurrent with 'Straight Key Night' on 1 January 2019 from 00:00 to 23:59 UTC.

As with SKN, GKN is an event and not a contest. "Greenkeys" is not a reference to eco-friendly operating - though members certainly are keen on equipment recycling - but rather is a group dedicated to the restoration and use of vintage mechanical teleprinters and related equipment. The term "greenkeys" itself refers to the colour of the keys on Teletype machines.

Participants are encouraged to get on the air and simply make enjoyable, conversational RTTY QSOs. Operate on all authorized Amateur frequencies. Please follow established band plans and be mindful of SKN QSOs. RTTY modes only. Call "CQ GKN".

The use of mechanical teleprinters is preferred, or simply get on the air with the oldest equipment you can scrape together. Real heavy metal Teletypes to be sure, but if that isn't available: analogue hardware modems, VT100 terminals, pre-Windows computers, etc. And vacuum tubes. ;) And maybe fire up that boat anchor rig that never gets enough air time.

Please no brag tapes/files. Please no pre-recorded messages. Have a real conversation by hand typing it keyboard to keyboard. If you are slow, we'll happily wait. (A CQ macro is okay but you would have better bragging rights if you hand typed that too.) But even if you don't have any old equipment, do get on the air and have some fun QSOs the old fashioned way!

E-mail wk6i.jeff@gmail.com to let us know you participated. There are no points scored, but if you'd like to share with us your favourite or most interesting QSO (worked or heard), your log, and what equipment you operated with (including photos), please do.

Please note that there is a RTTY contest concurrent with GKN, the SARTG New Year RTTY Contest. The contest runs from 08:00 to 11:00 UTC. As long as you have your RTTY working why not join in the contest and then return to more GKN fun! (For information: <http://www.sartg.com/contest/nyrules.htm>)

The Greenkeys online group is an email list devoted to the discussion of older radio teletype (RTTY) gear including mechanical teleprinters (Teletype, Kleinschmidt, etc.), terminal units, paper tape, gears, cams, oil, and anything else related to TTY/RTTY. To join the group, visit <http://mailman.qth.net/mailman/listinfo/greenkeys>. For more information, e-mail wk6i.jeff@gmail.com. And please do forward this announcement to your local club or interest group

Items used with acknowledgement to the ARRL Letter, the ARRL DX News, the ARRL Contest Update, OPDX Bulletin, 425 DX Bulletin, DXNL Newsletter, WIA-News, the RSGB News, DxCoffee, Southgate ARC News, DX World and the Amateur Radio Newsletter